

20010316.qrp v02_n129.qrl.20010316

Date: Fri, 16 Mar 2001 19:03:10 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2129

QRP-L Digest 2129

Topics covered in this issue include:

- 1) [94219] HB: SWL-30 bulk parts order
by John Wagner <john@neknetwork.com>
- 2) [94220] Final data -- Huh...???
by "Chuck Carpenter" <w5usj@globeco.net>
- 3) [94221] [CONTEST] QRP Contest Calendar - Mar 17-31
by Ken Newman <N2CQ@citnet.com>
- 4) [94222] Good comments on Radio Classes, and see World Radio , (April) for
more on radio instruction (Long)
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 5) [94223] Epiphyte
by "J. D. Spittle VE7QK" <jds@vcn.bc.ca>
- 6) [94224] PIN Diode TR Switching
by Ken Brown <n4so@juno.com>
- 7) [94225] Re: Rambling on
by RangerSF5@aol.com
- 8) [94226] Sierra VFO brainstorm
by Fran Flynn <fflynn@adelphia.net>
- 9) [94227] Re: Sierra VFO brainstorm
by K5BDZ@aol.com
- 10) [94228] HB: Important! Price change on the 602's
by John Wagner <john@neknetwork.com>
- 11) [94229] FT-817 Tactical Pack
by "K7FD N7SG" <cqdx@teleport.com>
- 12) [94230] [TMPS] de K7QO
by "Chuck Adams, K7QO" <k7qo@primenet.com>
- 13) [94231] re: PIN Diode T/R Switching
by Wes Hayward <w7zoi@easystreet.com>
- 14) [94232] Re: Laura Halliday VE7LDH , WHAT DOES IT MEAN?
by "Ben Pfeiffer" <bpfeiffer@tusco.net>
- 15) [94233] More Atlanticon beacon kit enhancements - long
by "Joe Everhart" <n2cx@voicenet.com>
- 16) [94234] {TMPS} The Little Rig that Could
by "Rod Cerkoney" <n0rc@hotmail.com>
- 17) [94235] HB: 602's going *very* fast
by John Wagner <john@neknetwork.com>
- 18) [94236] Parts inventory list
by "Mark Hogan" <mhogan@email.msn.com>

- 19) [94237] Re: Sierra VFO brainstorm
by "John Moriarity" <k6qq@hdo.net>
- 20) [94238] Updated info on email QSL route-finder
by John AE5X <ae5x@juno.com>
- 21) [94239] Re: Spectral Analysis of DSP
by "Karl F. Larsen" <k5di@zianet.com>
- 22) [94240] What sends F over and over?
by "K7FD N7SG" <cqdx@teleport.com>
- 23) [94241] HB: 602's all spoken for
by John Wagner <john@neknetwork.com>
- 24) [94242] Re: What sends F over and over?
by Macstein@aol.com
- 25) [94243] OT French
by "Karl F. Larsen" <k5di@zianet.com>
- 26) [94244] Re: OT French
by "Mike Yetsko" <myetsko@insydesw.com>
- 27) [94245] QRPp Nov&Dec94
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 28) [94246] Transformer source
by Pete Burbank <plburbank@kih.net>
- 29) [94247] RE: Pin Diode Switching Question
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 30) [94248] Re: Spectral Analysis of DSP
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 31) [94249] RE: Laura Halliday VE7LDH , WHAT DOES IT MEAN?
by Chuck Ludinsky <cjl@mitre.org>
- 32) [94250] QRPp article found:
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 33) [94251] WTT Unbuilt for DSW-30 for unbuilt DSW-40
by "Rod Cercone" <n0rc@hotmail.com>
- 34) [94252] Re: WTT Unbuilt DSW-30 for unbuilt DSW-40
by "Rod Cercone" <n0rc@hotmail.com>
- 35) [94253] Re: What sends F over and over?
by "Charlie Corp" <k2pc@adelphia.net>
- 36) [94254] FS/FT Atlas RX-110
by "Craig A. Ferris" <cferris@aeronix.com>
- 37) [94255] What is this Match All Antenna Tuner? (Long)
by Mike Pupeza <mpupeza@altavista.com>
- 38) [94256] Re: Pin Diode Switching Question
by "Lau, Zack, W1VT" <zlau@arrl.org>
- 39) [94257] Re: What is this Match All Antenna Tuner? (Long)
by Bob Nielsen <nielsen@oz.net>
- 40) [94258] Re: What is this Match All Antenna Tuner? (Long)
by "Phil (VA3UX)" <phil@vaxxine.com>
- 41) [94259] Re: Sierra VFO brainstorm
by "Mike Branca" <w3irz@att.net>
- 42) [94260] Re: What is this Match All Antenna Tuner? (Long)
by "Paul Christensen" <paulc@mediaone.net>

- 43) [94261] Re: Updated info on email QSL route-finder
by AD6EZ@aol.com
- 44) [94262] qsl.f6kpo@eudil.fr QSL Route-Finder
by "Dennis Morales" <dennismo2@home.com>
- 45) [94263] What is this Match All Antenna Tuner?
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 46) [94264] Re: qsl.f6kpo@eudil.fr QSL Route-Finder
by John Harper AE5X <ae5x@qsl.net>
- 47) [94265] Re: What is this Match All Antenna Tuner? (Long)
by RangerSF5@aol.com
- 48) [94266] Re: What is this Match All Antenna Tuner? (Long)
by RangerSF5@aol.com
- 49) [94267] Re: What is this Match All Antenna Tuner? (Long)
by "John J. McDonough" <wb8rcr@arrl.net>
- 50) [94268] Re: What sends F over and over?
by "Chuck Adams, K7Q0" <k7qo@primenet.com>
- 51) [94269] Re: What is this Match All Antenna Tuner? (Long)
by RangerSF5@aol.com
- 52) [94270] Re: What is this Match All Antenna Tuner? (Long)
by Bill Jones <kd7s@psnw.com>
- 53) [94271] Re: What is this Match All Antenna Tuner? (Long)
by "Mike Yetsko" <myetsko@insydesw.com>
- 54) [94272] Re: What is this Match All Antenna Tuner? (Long)
by RangerSF5@aol.com
- 55) [94273] Re: What is this Match All Antenna Tuner? (Long)
by RangerSF5@aol.com
- 56) [94274] RE: What is this Match All Antenna Tuner?
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 57) [94275] RE: Laura Halliday VE7LDH , WHAT DOES IT MEAN?
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 58) [94276] HB: determining electrolytic polarity?
by Kenneth Hoglund <hoglund@wfu.edu>
- 59) [94277] WTB Tunnel Diode Manual
by Pete Burbank <plburbank@kih.net>
- 60) [94278] Re: HB: determining electrolytic polarity?
by Pete Burbank <plburbank@kih.net>
- 61) [94279] [OT] 1/4" Helix and PL-259 ?
by Michael Melland <badger@vbe.com>
- 62) [94280] RE: HB: determining electrolytic polarity?
by <schoon@amgt.com>
- 63) [94281] One last try...PS/SWR meter..
by "Steve Hanson" <ke1lg@qsilver.net>
- 64) [94282] On line study info
by RangerSF5@aol.com
- 65) [94283] Re: [OT] 1/4" Helix and PL-259 ?
by Paul Womble <pwomble1@tampabay.rr.com>
- 66) [94284] WTB: OHR Scaf Filter
by "NZ8J" <timcook@erinet.com>

- 67) [94285] RE: On line study info
by <schoon@amgt.com>
- 68) [94286] Re: HB: determining electrolytic polarity?Correction.
by Pete Burbank <plburbank@kih.net>
- 69) [94287] Re: On line study info
by RangerSF5@aol.com
- 70) [94288] RE: HB: determining electrolytic polarity?Correction.
by "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
- 71) [94289] RE: On line study info
by <schoon@amgt.com>
- 72) [94290] Re: On line study info
by Stephan Greene <sgreene@patriot.net>
- 73) [94291] Re: Parts inventory list
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 74) [94292] HB: NE602/612's available
by "Robert K. Berlyn" <bberlyn@baycomp.com>
- 75) [94293] HB: It Lives!
by Kenneth Hoglund <hoglund@wfu.edu>
- 76) [94294] Re: What is this Match All Antenna Tuner? (Long)
by "Phil (VA3UX)" <phil@vaxxine.com>
- 77) [94295] Credit union check not accepted by my bank
by RangerSF5@aol.com
- 78) [94296] A "BIG" Thank You
by RangerSF5@aol.com
- 79) [94297] Re: What is this Match All Antenna Tuner? (Long)
by "Phil (VA3UX)" <phil@vaxxine.com>
- 80) [94298] RE: Credit union check not accepted by my bank
by "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
- 81) [94299] RE: Credit union check not accepted by my bank
by "Bowman, Brian" <bowman@amgen.com>

Date: Thu, 15 Mar 2001 19:07:12 -0500
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [94219] HB: SWL-30 bulk parts order
Message-ID: <3AB15930.FA86DE2D@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

To those participating in Chuck, K7Q0's HB building of the SWL-30 or 30+
and have signed up with Jim, N5IB to be on the bulk parts buy:

I am taking care of ordering the NE602's. You will need 3 of them to
complete the project. The cost is \$2.50 ea plus shipping costs. I am
going to place the order Monday the 26'th of March.

If you want to get in on this buy (please, only those involved the SWL-30(+) HB building, I don't have tons of time to do a massive parts order), do the following:

Send an email of intent and how many 602's you want to me immediately: john@neknetwork.com - you may order more than 3 on this buy, but please keep the number to a reasonable amount.

Send via snail mail (so it arrives before 3/26/01):

1) A check for your order. Cost is \$2.50ea plus sufficient postage to get a 6x6 cardboard envelope plus your parts to you. US->US is \$.76 - so just add an additional \$1 to your order and that will cover your postage back to you plus your share of the bulk shipping costs. I have a large supply of disk mailers that I'll never use, that's what I'll be shipping your parts in.

2) A self-addhesive mailing label for your package. This is important!

Send to:

John Wagner - Attn: 602 Order
25 Tree Farm Rd
Holland, VT 05830

Checks arriving after that date will be returned. Money orders are fine, please don't send cash. I will email you when I receive your check so you will know you got in on the buy.

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>

Date: Thu, 15 Mar 2001 18:07:07 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [94220] Final data -- Huh...???
Message-ID: <3.0.2.32.20010315180707.007ef440@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

00oops...

>The Fox contest represents. [???

I don't know either... 8^)...

Date: Thu, 15 Mar 2001 19:12:56 -0500
From: Ken Newman <N2CQ@citnet.com>
To: epaqrp-1@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [94221] [CONTEST] QRP Contest Calendar - Mar 17-31
Message-ID: <3.0.6.32.20010315191256.007d79d0@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP Contesters,

Please send your sprint or contest info to: N2CQ@ARRL.NET
We will include it in the calendar.

72 de Ken - N2CQ

~~~~~  
QRP CONTEST CALENDAR

March 17-31, 2001

~~~~~  
Somerset Homebrew Contest (CW/SSB - 80 Meters) ...QRP Contest!

Mar 17 - 0000z to 2400z (Any 4 hours)

Rules: <http://www.sk3bg.se/contest/somerset.htm>

"Homebrew and kits. Prizes available. Europeans operate 1900z-2300z"

~~~~~  
Alaska QSO Party (ALL)

Mar 17 - 0000z to Mar 18 - 2400z

Rules: <http://www.sk3bg.se/contest/alaskaqp.htm>

"Good time to work AK"

~~~~~  
Bermuda Worldwide Contest (ALL)

Mar 17 - 0001z to Mar 18 - 2400z

Rules: <http://www.sk3bg.se/contest/bermuda.htm>

"Free trip to Bermuda for first prize"

~~~~~  
BARTG Spring HF RTTY Contest

Mar 17 - 0200z to Mar 19 - 0200z

Rules: [http://www.bartg.demon.co.uk/Contests/01\\_rules.htm](http://www.bartg.demon.co.uk/Contests/01_rules.htm)

"Much RTTY DX"

~~~~~  
Russian DX Contest (CW/SSB)

Mar 17 - 1200z to Mar 18 - 1200z

Rules: <http://www.sk3bg.se/contest/russdxc.htm>

"Work anyone but lots of points for Russians"

~~~~~  
Virginia QSO Party (CW/SSB) ... QRP Category

Mar 17 - 1800z to Mar 19 - 0200z

Rules: <http://www.qsl.net/sterling/QSOParty-2.html>

"Excellent state QP and nice awards too."

~~~~~  
AND LATER....
~~~~~

CQ World-Wide WPX Contest (SSB) ... QRP Category

Mar 24 - 0000z to Mar 25 - 2400z

Rules: <http://home.woh.rr.com/wpx/>

"More fine SSB DX. Compete with other QRPers."

~~~~~

Spring QRP Homebrewer Sprint (CW/PSK31) ... QRP Contest!!!!

Mar 26 - 0000z to 0400z (Sunday evening in US/Canada)

Rules: <http://www.njqrp.org/data/qxphomebrewersprint.html>

"Test your Homebrewed equipment. All can join. Prizes!"

~~~~~

ATLANTICON QRP Forum ...QRP Building Contest(AND MUCH MORE)

Mar 30 - Mar 31

Details: <http://www.njqrp.org/atlanticon/>

"Building contest. A-1 Seminars. Prizes you can't miss"

~~~~~

Anyone may use this "QRP Contest Calendar" for your website, newsletter,
e-mail list or other media as you choose.

(Include a credit to the source of this material of course.)

72 de

Ken Newman - N2CQ

N2CQ@ARRL.NET

**** N2CQ QRP Contest Calendar ****

<http://www.njqrp.org/data/contesting.html>

<http://www.n3epa.org/Pages/Contest/contest.htm>

<http://www.qsl.net/cqrp/contests.html>

Date: Thu, 15 Mar 2001 18:16:47 -0600

From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: <nf0r@slacc.com>, <qrp-l@Lehigh.EDU>

Subject: [94222] Good comments on Radio Classes, and see World Radio , (April) for
more on radio instruction (Long)

Message-ID: <006e01c0adae\$63ce40b0\$4e100a0a@rohredt2000>

Dave, NFOR, raises a good point with his story about the substitute ham class teacher scaring prospective hams away by saying you had to have fancy station to accomplish anything as a ham.

Of course, it is preaching to the choir here, but this account does reinforce what was in the April copy of "World Radio" about the need for a curriculum guide, Power Point standard beginners course, and other issues of teaching prospective hams, and bringing in new folks to the hobby.

The piece does seem to have been written before the ARRL "Big Project" was announced, which is the effort to place amateur radio courses in the Junior Highs and Elementary Schools, and even equip stations, and provide teaching materials to teachers to get into ham radio as well as teach classes on amateur radio.

The WR writer is concerned that many ham teachers are not trained in methods of teaching amateur radio, or any teaching method.

The writer made a good point that perhaps the quality of instruction is also affected by the class being held in uncomfortable classrooms intended for little kids, or with inadequate AV gear to show training videos, or with poor lighting or other detractors in the case of a hands on class, such as soldering skills.

I always try to encourage the new QRPer or ham to first try a "bullet Proof" antenna such as a simple half wave dipole, or inverted Vee, before trying something that might be so directional, or hard to match, that the rig does not effectively get out. An antenna such as some form of dipole does not depend on quality of the ground near the shack, as some unbalanced antennas do.

In fact, some home made multiband approaches are daunting without an elmer who is aware of the interactions of parallel dipoles for example. And I try to steer people away from the compromise "miniature" antennas that have poor efficiency. I wasted many hours on the air as a Novice with a quarter wave wire, in a location that had no ground conductivity to make up for the "missing half" of my antenna. When I moved, new elmers had me put up a low dipole as that was all I could manage. But that was like adding an amplifier, all signals increased about 3 dB on receive, and I got out on many more calls than with the quarter wave wire. Thankfully, the quality of receiver is not so much an issue as 44 years ago, but I also discourage the newbie from using RIT until he knows how to zero beat his own frequency.

An example of frustration is the commercial G5RV antennas that uses a bead balun on the end of the twin lead where it makes a junction to coax to the shack. Any windy location will take such a weighty feedline and beat it around until either the twin lead breaks at the feedpoint, or the twin lead

to coax junction at the bead balun breaks from its mass and the strain on the small coax and twin lead. For this or any dipole antenna, a great trouble shooting aid for these failures is to have a high value resistor, like 150 k ohm or whatever is in the junk box, , across the center insulator, weather proofed inside shrink tubing and tape. If you ever fail to read 150k or so at the shack end of the feeder, you know you have broken conductors in the feed arrangement.

If the feeder is long enough, you can break one side of it, and still have an SWR that does not look too far out of line! Another topic that needs to be taught is how to tune up a transmatch and use a SWR meter, or better still a Field Strength meter! I fear many new ham courses are only memorizing the question pools. Maybe we should audit some of these courses to assist instructors, and help get the newbie off on a better footing than rote memory gives.

Well, Dave good comment, and there's a few cents more if anybody read this far!

72,

Stuart K5KVH

Date: Thu, 15 Mar 2001 16:22:32 -0800
From: "J. D. Spittle VE7QK" <jds@vcn.bc.ca>
To: qrp-1@Lehigh.EDU
Subject: [94223] Epiphyte
Message-ID: <3.0.6.32.20010315162232.007af870@mail.vcn.bc.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

On Thursday, March 15 Doug Davies VA7DD wrote:

> Are there any schematics and/or construction articles still available for
> the 75m Epiphyte QRP rig? Can these be found anywhere on the web? I've
> searched and can't find a thing.

I will be pleased to email the Circuit Diagrams (PDF files), Assembly Instructions and Parts List (WORD file) and a JPG photograph of an assembled PC board for the EP-3 to anyone who wishes to contact me directly.

I am responding to VA7DD separately.

Derry VE7QK

Date: Thu, 15 Mar 2001 18:15:18 -0600
From: Ken Brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [94224] PIN Diode TR Switching
Message-ID: <20010315.181519.11686.9.n4so@juno.com>

"A PIN Diode TR Switch" ARRL Handbook 1987
Page 34-8. Schematic diagram and text on two
pages.
Back in 1987 PIN diodes were a way to switch tube
final transmitter/receivers and transceiver/receiver
combinations.

Durante le ultime settimane abbiamo avuto un sacco di neve qui in
Svizzera.

Ken Brown N4SO
Mobile, AL EM50tk

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 15 Mar 2001 19:29:04 EST
From: RangerSF5@aol.com
To: harris_k@crane.navy.mil, qrp-1@lehigh.edu
Subject: [94225] Re: Rambling on
Message-ID: <ce.12037a39.27e2b850@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 3/15/01 7:54:02 PM W. Europe Standard Time,
harris_k@crane.navy.mil writes:

<< o not belong on this list. Politics, religion, sex, gun control and
abortion are a few that come to mind at the moment. Strictly speaking, any
post about a QRO rig is "off topic", but that doesn't mean there isn't >>
You seem to forget that a lot of hams use QRO rigs cranked down to the QRP
level.

What about test gear??

How about tuners and antennas?

Some Guys are running \$400.00 40-Meter beams with a \$100.00 QRP rig

If I want info on that or someone makes a post on that are you going to tell them it's OT?.

I received more info from QRP-L then all the other list i'm signed up on.

Learned a lot also.

Back in my bunker

Bob

WA2HOQrp <tm>

Date: Thu, 15 Mar 2001 19:39:12 -0500
From: Fran Flynn <fflynn@adelphia.net>
To: qrp-l Discussion <qrp-l@Lehigh.EDU>
Subject: [94226] Sierra VFO brainstorm
Message-ID: <3AB160B0.36D83169@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a Sierra that I want to use for FD this year. The trouble is that I'm a bit spoiled by my "big" rig, a TS-450S. It has a "fine" setting for the VFO which gives 500hz per one knob rotation. I was thinking, I could build an external enclosure with a 10 turn pot and a nice big knob, then use this to control a varactor diode in the VFO of the Sierra, (which of course is something I would add to the VFO circuit) tailoring the circuit to give me a one khz per rotation "bandsread", as they used to call it on the old "boat anchors". Has anyone tried to do anything like this before? There's no sense in reinventing the wheel here.

I'd use the Kenwood for FD except for the very high current draw on receive, about 2 amps. It turns down to 5 watts or lower without any trouble. Oh, FD is Arrl field day, just in case you don't know that.

Thanks,

72 de Fran Km1z

Date: Thu, 15 Mar 2001 19:56:57 EST
From: K5BDZ@aol.com
To: fflynn@adelphia.net, qrp-l@lehigh.edu
Subject: [94227] Re: Sierra VFO brainstorm

Message-ID: <49.8ca9b8f.27e2bed9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Fran

Think about CONCENTRIC tuning control on the front panel. Two knobs in one slot.

Bill K5BDZ

Date: Thu, 15 Mar 2001 20:25:24 -0500
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [94228] HB: Important! Price change on the 602's
Message-ID: <3AB16B84.4C052855@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

To those interested in the 602's, I just found a much better price. They are \$1.45ea. Shipping was a little more and for some reason I was charged sales tax. That puts them about \$1.50 or so (a little more actually). So for three of them include a check for \$6 - that will include shipping back to you and a share of the bulk shipment cost.

I ordered 120 of 'em. If they don't all go for the HB project, I will offer them here for anyone who wants them. I'm pretty sure they'll sell. If not, I guess I'll have to build a whole bunch of radios. ;)

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>

Date: Wed, 14 Mar 2001 04:12:47 -0800
From: "K7FD N7SG" <cqdx@teleport.com>
To: "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [94229] FT-817 Tactical Pack
Message-ID: <002501c0ac80\$19740880\$d2231ad8@N7SG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

This may be of interest to FT-817 users:

<http://www.wanfear.com/~rich/>

Usual disclaimers n' stuff...

73 John K7FD

Date: Fri, 16 Mar 2001 02:38:53 +0000
From: "Chuck Adams, K7Q0" <k7qo@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [94230] [TMPS] de K7Q0
Message-ID: <5.0.2.1.0.20010316021711.00a3f6d0@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Well a significant change on 30 meters over the past 10 days or so.
At least at this QTH with the beam aimed east I can tell that the
guys in Toronado Alley and other central locations and south central
US are getting thunderboomers at all hours.

Just a few days ago Mac, AF4PS, called me in the noise level. Turns out
he was running 100mW just to test me. Not bad for the SWL-30 receiver.
You don't have to have expensive rigs to work the weak ones.

Then late last night I got WV when a K8 came back to me. I thought he
might be in 8-land but when he gave me WV I was overjoyed. And he was
in the middle of a thunderstorm just a few km's away from his antenna.

Today I sat down at the desk to work on a computer program (see below).
So, I put on the earphones and sent QRL? and punched the CQ beacon mode
on the CMOS 3. Sure enough I didn't get very long into the project
when I got a call from a VE. What made this strange (to me at least) was
that he never sent /0 or whatever. He was in CO. He was 599+ and he
gave me a 589. Then he asked me to lower the power down from 0.500W.
I said that the power adjust was inside and could he stand by a second
while I removed the cover? He said yes. OK, off with the cover and I
set the power out to 100mW on the OHR WM-2. He said I was still 579 and

to go lower. I got down to 5mW on the OHR and he said I was still 549.

SO. I lowered the power to zero and raised it just enough to get the needle of the meter to move one needle width. I could just see it wiggle. I got a 539 RST report and told that I was just above the noise level. So I figure less than 1mW from Prescott to Nederland, CO. Have to work that one out. An e-qs1 to confirm it but hoping for a QSL card. I am not a fan of non-hard copy QSLs. Just an old fashioned ham and hard to change old habits.

The point? You need to get on the air. We are having excellent propagation during this time of the sunspot cycle. For those that haven't been through a complete cycle --- you will be hearing all the complaints on this list when the Solar Flux gets back to under 40 or so as it was just a few years ago. It will take a few years to fall off but the time will fly by and you'll kick yourself mentally for not getting on when conditions were good. The Internet will still be here when the bands are bad.

FYI and see totals below for TMPS from K7Q0

P.S. I finally finally after too many other projects got around to getting my CW C-program converted to work under LINUX and I'm off the SGI system. It used to take me about 2.5 hrs to make a CD for practicing morse at any speed. I now have the process down to 15 mins or so per CD. This means that the .mp3 stuff that I had done previously that took me many many hours to do can be done more rapidly. So, if the test files worked for you, let me know what you need, i.e. speed and do you want plain text or QSOs? I'll try to make up some more practice sessions on the web. Thanks. I know more about .aiff files that any one human being should ever have to learn. :-) ;-)

Chuck Adams, K7Q0

Prescott, AZ k7qo@primenet.com <http://www.qsl.net/k7qo> <http://moon.pr.erau.edu/~adamsc>

TMPS-2001 Mar 15, 2001 Q's = 337 States = 43 Counties = 279 DXCC = 12
SWL-30 with CMOS 3 keyer and HB Iambic Paddle 0.500W and vee-beam

States Needed AK DE IN MS RI VT VA

DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08 ZS6

Date: Thu, 15 Mar 2001 19:00:18 -0800
From: Wes Hayward <w7zoi@easystreet.com>
To: qrp-l@Lehigh.EDU
Cc: hduff@ica.net
Subject: [94231] re: PIN Diode T/R Switching
Message-ID: <3AB181C2.455CED85@easystreet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Every few months the subject of electronic transmit-receive switching seems to come up. It's an interesting problem and fun to investigate. A few years ago I encountered a fellow on the air who was using cheap diodes for T/R switching and I ask for more information. This led to letters, several experiments, and a paper in QEX for May, 1995 titled Electronic T/R switching.

The diodes I used were the 1N4006, 1N4007, and variations on the Motorola 6A6. These are all high voltage rectifiers. As such, they are probably PIN structures. That is, they are a sandwich of semiconductor layers doped with negative, intrinsic, and positive material. They have higher capacitance than the diode types used for RF switching, but the cost is much less. To get the capacitance down, they must be reverse biased to turn them off.

I did no switching time measurements. However, I did examine IMD behavior to see if they would compromise receiver performance. These things were like a piece of wire - no third order IMD at all. And they easily switched 100 watts. I used a 200 volt supply for reverse bias, forward currents under 200 mA, and HEXFETs for DC switching.

I surmise from the periodic appearance of this question on QRP-L that few of the folks within the greater QRP community read QEX. That's too bad, for there is some good information that shows up there, even if it is not in living color!

73, Wes, W7ZOI

Date: Thu, 15 Mar 2001 22:22:35 -0500
From: "Ben Pfeiffer" <bpfeiffer@tusco.net>
To: <schoon@amgt.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [94232] Re: Laura Halliday VE7LDH , WHAT DOES IT MEAN?
Message-ID: <005801c0adc8\$596612a0\$7d45bed1@bpfeiffer>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<Does having 90% of members lurk degrade
> this list?? I think not...>
I hope not, I have been lurking for 3 years.
Good post, very true.

72..de..ka8lle..Ben.

----- Original Message -----

From: <schoon@amgt.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: March 15, 2001 12:54 PM

Subject: RE: Laura Halliday VE7LDH , WHAT DOES IT MEAN?

> First off - this isn't a NG, it's a mailing list. There's a fundamental
> difference in how it works and how it behaves. The second thing is, the
> bigger and longer the mailing list has been running, the more off topic
> posts happen. It's just a fact of life with this sort of thing, no
> matter how tough the moderator happens to be..... The only other thing I
> can add is if you see a subject you don't like - there's your DEL key!
> This isn't a profane email, simply some education. As it stands, only
> about 10% of this lists members actually post anything - the rest
> lurk.... Just another fact.... Does having 90% of members lurk degrade
> this list?? I think not....

>

> 72

>

> .mark

>

> >-----

> >From: ZOOM[SMTP:kandrparker@sympatico.ca]

> >Sent: Wednesday, March 14, 2001 3:47 PM

> >To: Low Power Amateur Radio Discussion

> >Subject: Re: Laura Halliday VE7LDH , WHAT DOES IT MEAN?

> >

> >I don't mind an unrelated post from time to time and the recipient

> >responding but there were many that responded to this unrelated post.

Most

> >who didn't have a clue what it meant.

> >

> >To all those who sent me nasty e-mails:

> >

> >1. I question if your serious about this NG.

> >2. I'm sure I'm not the only one that was somewhat frustrated deleting

the

> >unrelated posts.

> >3. Allowing this type of free for all will kill this NG!

> >4. If you don't agree, don't send me any more of your profane e-mails.

I

> >didn't think adults could act this way.

> >

> >Now lets talk some QRP!

> >

> >Regards,

> >Robert

> >VE3RPF

> >

> >

> >----- Original Message -----

> >From: "ZOOM" <kandrparker@sympatico.ca>

> >To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> >Sent: Wednesday, March 14, 2001 3:50 PM

> >Subject: Re: Laura Halliday VE7LDH , WHAT DOES IT MEAN?

> >

> >

> >> ENOUGH!

> >> Who cares?

> >> Can't you all reply off line?

> >>

> >>

> >> ----- Original Message -----

> >> From: "Rick Robinson" <rerobins@email.uncc.edu>

> >> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> >> Sent: Wednesday, March 14, 2001 9:53 AM

> >> Subject: Re: Laura Halliday VE7LDH , WHAT DOES IT MEAN?

> >>

> >>

> >> > I just ran Laura's sig through freetranslation.com

> >> >

> >> > Que les nuages soient notre pied a terre What the clouds be our
foot

> >> has

> >> > earth

> >> >

> >> > OK, I understand now.

> >> >

> >> > 72,

> >> >

> >> > Rick kf4ar

> >> >

> >> >

> >> >

> >> >
> >> >
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> >
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> >
>

Date: Thu, 15 Mar 2001 22:41:25 -0500
From: "Joe Everhart" <n2cx@voicenet.com>
To: "qrpl" <qrpl@lehigh.edu>
Cc: "njqrp" <njqrp@njqrp.org>
Subject: [94233] More Atlanticon beacon kit enhancements - long
Message-ID: <002801c0adca\$faa832e0\$185947d1@n2cxtoy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

Sooo.. you want your PSK beacon to be heard in the inevitable
din in during the competition? It really is like trying to break a
pileup - the popular fox hunts and, in particular, the in-room
fox hunt at Pacificon last year come to mind.

Guidelines for the competition are on the NJQRP web page;

<http://www.njqrp.org/psk31beacon/psk31beacon.html>

How do you make *yours* stand out? Well you can be on a
different frequency - and provisions for that are made in
everybody's kit so there's a limited chance for yours to stand out.

How else? Ah, how about thinking like the "big guns" of contesting
do - no, not a linear amp - that's *not* QRP. But how about a beam?

How to do that? Think microwave - how about one of those parabolic
dishes used for directional mikes at sporting events? And some
folks have found that : "saucer sleds" work almost as well. And
another analogy is the so-called "shotgun" mikes. They use a bundle
of tubes to act as resonators to direct received sound energy to a
microphone. Reciprocity says that you can probably go the other
way and focus your beacon loudspeaker output right at a distant

microphone.

So get your thinking caps on and try some of this stuff to see if *you* can become a big gun in the Atlanticon beacon competition. This will give you something useful to do until your kit arrives.

Stay tuned, I've got more ideas for another day...

72/73,

Joe E., N2CX

Date: Thu, 15 Mar 2001 21:24:50 -0700
From: "Rod Cercone" <n0rc@hotmail.com>
To: elecraft@qth.net, qrp-l@Lehigh.EDU
Subject: [94234] {TMPS} The Little Rig that Could
Message-ID: <F120PGNKY5TetpIuPHD00000f38@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Folks,

Good night on 30m.

Was home from work for a short time and heard UA9AYA, 5NN, calling CQ DX on 10106. Tried a few times at 2W no luck, had to get back to work so bumped the power up to 5W and made the Q' with a 449 RST.

Rig: K1 #539, 17/30m "THE WARC BAND CRUISER"
Ant: Attic Doublet tuned with the KAT1

First DX with the K1, YIPPEE! It's a keeper.

73, Rod N0RC
Fort Collins, CO

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Thu, 15 Mar 2001 23:58:29 -0500
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [94235] HB: 602's going *very* fast

Message-ID: <3AB19D75.8D24E0DB@neknetwork.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Gang,

These 602's are a hot item, I've got 87 of the 120 I ordered spoken for already. Had I known they would be in this much demand I would have ordered a couple hundred more. Maybe I should go into the parts business (joke, that's a joke!!!).

I also have numerous "if you don't sell them all, I'll take X" emails - so I'm pretty sure all 120 are going to go.

At this point please limit your orders to FOUR 602's max and preferably only THREE. If you ordered more previously, please DON'T cancel or change your amount, it will become way too confusing.

If you are building the SW30/+ HB with Chuck, K7QO and need these, send me an email *soon*. The cost is \$1.50ea plus \$1.50 postage (which includes your share of the bulk shipping to me). I'm providing the shipping container to you free of charge (I've got a zillion disk mailers left over from a previous life).

If you sent an email of intent, please make sure your check and mailing label gets in the mail ASAP.

Thanks es 73,

John, KB1ENS

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

Date: Thu, 15 Mar 2001 23:38:09 -0600

From: "Mark Hogan" <mhogan@email.msn.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [94236] Parts inventory list

Message-ID: <000701c0addb\$4d7f3800\$af101b3f@compaq>

I realize its kind of a long shot but did anyone do an excel spreadsheet or pdf or word file for the 2n2-40 parts like was done for the NC-20?

If so would you be kind enough to email me one...I am finally going to biold my rig, and inventory is the first step...

Thanks
Mark Hogan / N50BC

Date: Thu, 15 Mar 2001 23:41:21 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: <fflynn@adelphia.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [94237] Re: Sierra VFO brainstorm
Message-ID: <008901c0adec\$7f315340\$d9414cd1@johnmori>

> I have a Sierra that I want to use for FD this year. The trouble
> is that I'm a bit spoiled by my "big" rig, a TS-450S. It has a
> "fine" setting for the VFO which gives 500hz per one knob rotation.
> I was thinking, I could build an external enclosure with a 10 turn
> pot and a nice big knob, then use this to control a varactor diode in
> the VFO of the Sierra, (which of course is something I would add to
> the VFO circuit) tailoring the circuit to give me a one khz
> per rotation "bandspread...

Frank,

I don't know how much contest experience you have, but
believe me, you don't want that kind of bandspread.

As a QRP station, you will mostly be operating in the
"search and pounce" mode. That requires a lot of tuning,
and you want to be able to do it quickly.

In the same vein, you don't want to be using a very
narrow filter. You need to learn to use the one between
your ears. Last Field Day, I seldom used anything
narrower than the (nominal) 700 Hz filter in my K2.

The best CW contest operator I ever knew (KD7P)
used the SSB filter all the time. I'm nowhere near that
good. (He was a Coast Guard Chief Radio Op.)

A few years back, I did FD with the Zuni Loopers, and
found that a stock Sierra did just fine.

72/3,

John, K6QQ

Date: Fri, 16 Mar 2001 05:00:49 -0500
From: John AE5X <ae5x@juno.com>
To: QRP-L@lehigh.edu
Subject: [94238] Updated info on email QSL route-finder
Message-ID: <20010316.050051.9622.1.ae5x@juno.com>

Since making my last post about the email QSL route-finder, I've been told by F6KPO that multiple requests can be processed from the same email message. Just put each callsign on a seperate line and send it as one message.

The address of the robot again is:

qsl.f6kpo@eudil.fr

73,

John Harper AE5X
HW-9, OHR-100A/20, NC40A, SST30, SST40, DSW20, K1(20/30m)
Outdoor QRP: <http://www.qsl.net/ae5x>

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 16 Mar 2001 05:44:28 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Mike WA8BXN <hubby2k@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [94239] Re: Spectral Analysis of DSP
Message-ID: <Pine.LNX.4.31.0103160531190.833-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Mike, I think Nyquist considerations are not the problem. The problem is the way DSP treats the input signal. I am at a loss to define what input should be used, and then how to measure it.

I'm thinking I can put an audio oscillator at the input to the DSP and measure the output with a power meter. This might work for the CW filter. For SSB I'm still thinking.

The recommended book is \$105.00 at amazon.com but I want to look at the book before I buy. I don't need a good book I can't read/study from.

Perhaps the best thing to do is just use the DSP filters and be happy to have them. What galls me is that the Radio Shack filter has been around for years and I have seen them for sale and was too ignorant to buy one.

On Thu, 15 Mar 2001, Mike WA8BXN wrote:

>
> Sampling at a rate twice the highest frequency component is necessary and
> sufficient. You are going to have quite a problem determining the static
> response of an adaptive DSP system because its response is dynamic. For
> example, in SSB mode, they are designed to search for and destroy any
> constant carriers. When given white noise as an input they will behave quite
> differently from when there are signals present with different spectral
> signatures. Good luck!
>
> -----
> Get your FREE download of MSN Explorer at <http://explorer.msn.com>
>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 14 Mar 2001 09:50:09 -0800
From: "K7FD N7SG" <cqdx@teleport.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [94240] What sends F over and over?
Message-ID: <001501c0acaf\$44c9bd20\$4f231ad8@N7SG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

What 'service' transmits the letter F over and over on 7.039? And for a

while, there was a very persistent 'beep' on 7.041, too...

Just wondering,

John K7FD, Oregon

Date: Fri, 16 Mar 2001 07:58:39 -0500
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [94241] HB: 602's all spoken for
Message-ID: <3AB20DFF.947B8B48@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

This mornings email brought a flood of 602 orders - they are all spoken for. I had to turn away the last two emails. I will save your email addresses and let you know if anyone backs out.

To those that ordered: Please send your check or money order (I don't take paypal and please don't send cash) ASAP to:

John Wagner - Attn 602 Order
25 Tree Farm Rd
Holland, VT 05830

Be sure to include an addressed self-adhesive mailing label for your package. I will email the list when the order ships. The pricing is as follows:

\$1.50 for each '602
\$1.50 for shipping back to you. This includes your share of the bulk shipment cost.

I'm providing the mailers, no need to send one.

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

Date: Fri, 16 Mar 2001 08:03:05 EST
From: Macstein@aol.com
To: cqdx@teleport.com, qrp-1@lehigh.edu
Subject: [94242] Re: What sends F over and over?
Message-ID: <4a.12decca6.27e36909@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 3/16/2001 7:55:51 AM Eastern Standard Time,
cqdx@teleport.com writes:

> What 'service' transmits the letter F over and over on 7.039? And for a
> while, there was a very persistent 'beep' on 7.041, too...
>

These are Russian beacons. There are a lot of 'em I consistantly hear "P",
"C" and "F". Chuck, K7QO has a list on his web site (or used to).
<http://www.qsl.net/k7qo/ussr.html>

-MAC-
AF4PS
Odessa, FL

Date: Fri, 16 Mar 2001 06:14:07 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [94243] OT French
Message-ID: <Pine.LNX.4.31.0103160555060.833-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For 3 days some people who take exception to the French phrase in
the tag line of Laura Halliday VE7LDH e-mail have been flooding the QRP-L
list with insults. The people sending these messages have never met this
person and have no idea what her background might be.

But living in Canada are people who speak french,
and a little english. For all I know she may have been raised speaking
french.

In New Mexico I meet people daily who have english as a second language, spanish as first. New Mexico is full of people from Mexico where they speak spanish. We don't make fun of these people. They are fine people trying to make it in a country that speaks english.

Laura is just giving us a snippet of her language skills in her tag line and what's wrong with that?

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 16 Mar 2001 08:49:46 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <k5di@zianet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [94244] Re: OT French
Message-ID: <00bf01c0ae1f\$f8a117a0\$6201a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Don't limit it to Canada... In northern NH and VT, there are areas where French is as common as English. Or at least it seems that way to someone who doesn't speak French.

I'm in central Mass, and one of my friends grew up, here in the town I now live in, speaking French as much as English.

Mike

> For 3 days some people who take exception to the French phrase in
> the tag line of Laura Halliday VE7LDH e-mail have been flooding the
QRP-L
> list with insults. The people sending these messages have never met
this
> person and have no idea what her background might be.
>
> But living in Canada are people who speak french,
> and a little english. For all I know she may have been raised speaking
> french.
>
> In New Mexico I meet people daily who have english as a second
> language, spanish as first. New Mexico is full of people from Mexico

where

> they speak spanish. We don't make fun of these people. They are fine
> people trying to make it in a country that speaks english.

>

> Laura is just giving us a snippet of her language skills in her tag
> line and what's wrong with that?

>

> Yours Truly,

>

> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

>

>

Date: Fri, 16 Mar 2001 08:08:16 -0600

From: "Gene Sailsbury" <gsailsbury@mobil1.net>

To: "Low power" <qrp-1@Lehigh.EDU>

Subject: [94245] QRPp Nov&Dec94

Message-ID: <006d01c0ae22\$8d07e5c0\$66c03fd8@computer>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Can anyone get me a copy of the 75m Epiphyte QRP rig articles that was
featured in these magazines or loan or sell me a copy of the 2 issues of
QRPp? I would like to build one but would like to have the articles to
guide me. Tnx

Gene Sailsbury KC0IKY

Date: Fri, 16 Mar 2001 00:56:21 -0500

From: Pete Burbank <plburbank@kih.net>

To: qrp-1@lehigh.edu

Subject: [94246] Transformer source

Message-ID: <5.0.2.1.0.20010316004945.00a6d820@KIH.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Marlin P.Jones at [HTTP://www.MPJA.com](http://www.MPJA.com) has a broad selection. He is listing
a 13.5 V 20 Amp
one for \$19.95.

73 Pete NV4V

Date: Fri, 16 Mar 2001 08:06:19 -0600
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'KF4YYD@aol.com'" <KF4YYD@aol.com>, Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [94247] RE: Pin Diode Switching Question
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA04A49886@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

PIN diodes are most **commonly** used at VHF through microwave frequencies for switching RF (as well as making variable attenuators), and not often used at h.f. frequencies. The prime reason is the "carrier lifetime" (I think that's the term Unitrode used in one of their tutorials) in PIN diodes.

For h.f. applications, the carrier lifetime (I'll just use that term for lack of a better one) in a PIN diode has to be **much longer** than a PIN diode made for microwave. In fact, it takes a bit more effort to make a PIN diode with a long "carrier lifetime" than it does one for microwave.

Then, of course, you have to contend with the power-handling capability of PINs. At high power (say, above 50 watts), you **must** have a source of high-voltage DC to reverse-bias the PIN diodes -- enough to exceed the peak-to-peak voltage(s) that is impressed on the PIN diode by the outgoing r.f..

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: KF4YYD@aol.com [SMTP:KF4YYD@aol.com]
> Sent: Thursday, March 15, 2001 4:36 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Pin Diode Switching Question
>
> I was always under the impression that PIN Diodes were used as low level
> switches in the VHF through microwave region, and that their
> characteristics did not make them very applicable for HF use. Who knows I
> could be confusing them with Hot carrier diodes...
>
> Hugh, when you get the answer could you pass it along to me? I'm curious
> to see where I got lost in regards to diode theory and uses.
>

> 73, de Tom kf4yyd

Date: Fri, 16 Mar 2001 09:13:07 -0500 (EST)
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: "Karl F. Larsen" <k5di@zianet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [94248] Re: Spectral Analysis of DSP
Message-ID: <Pine.BSF.4.10.10103160907380.64052-100000@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 16 Mar 2001, Karl F. Larsen wrote:

>
> The recommended book is \$105.00 at amazon.com but I want to look
> at the book before I buy. I don't need a good book I can't read/study
> from.

Karl

Have you considered trying to borrow a copy of the book on inter-library loan? Generally, any public library can get any book in print (and quite a few that are out of print) through interlibrary loan. Last time I looked, the county library charged \$1.00 to process requests while the university library had no associated charge. I can even do ILL requests over the net for the FSU library.

>
> Perhaps the best thing to do is just use the DSP filters and be
> happy to have them. What galls me is that the Radio Shack filter has been
> around for years and I have seen them for sale and was too ignorant to buy
> one.
>
> On Thu, 15 Mar 2001, Mike WA8BXN wrote:
>
> >
> > Sampling at a rate twice the highest frequency component is necessary and
> > sufficient. You are going to have quite a problem determining the static
> > response of an adaptive DSP system because its response is dynamic. For
> > example, in SSB mode, they are designed to search for and destroy any
> > constant carriers. When given white noise as an input they will behave quite
> > differently from when there are signals present with different spectral

Date: Fri, 16 Mar 2001 09:48:20 -0500
From: Chuck Ludinsky <cjl@mitre.org>
To: ai2q@adelphia.net
Cc: qrp-1@lehigh.edu
Subject: [94249] RE: Laura Halliday VE7LDH , WHAT DOES IT MEAN?
Message-ID: <3AB227B4.32A15791@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alex,

Well, if you put the sentence "She sells sea shells down by the seashore" into Babelfish, you get the following translation to French:

"Elle vend des interpreteurs de commandes interactifs de mer de mer vers le bas par le bord de la mer."

Which, in turn, translated back into English becomes:

"It downwards sells interactive interpreteurs of commands of sea by the edge of the sea."

C shells? HI.

72 de K1CL,
Chuck.

> Yes Laura, machine translators may not do an acceptable job.
>
> The tale of the first Washington-to-Moscow hotline translator makes
> the point. After its installation, an initial test was made. The
> Americans sent the old phrase: "The spirit is willing, but the flesh
> is weak."
>
> Back came the translated reply from the Kremlin: "The vodka is good,
> but the
> beef is lousy."

Date: Fri, 16 Mar 2001 08:35:07 -0600

From: "Gene Sailsbury" <gsailsbury@mobil1.net>
To: "Low power" <qrp-1@Lehigh.EDU>
Subject: [94250] QRPp article found:
Message-ID: <009201c0ae26\$4cf21e20\$66c03fd8@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Have the QRPp articles so disregard may other post. VE7QK has already sent me the information and I just missed it. Sorry.
Gene KC0IKY

Date: Fri, 16 Mar 2001 07:46:12 -0700
From: "Rod Cercone" <n0rc@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [94251] WTT Unbuilt for DSW-30 for unbuilt DSW-40
Message-ID: <0E46kJXrRjbDt3HvoF000000a77@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Previous deal fell through, still looking.

Will also consider newer, unbuilt, (rev B) Wilderness NC40A with KC1.

73, Rod N0RC
Ft Collins CO

Date: Fri, 16 Mar 2001 07:50:08 -0700
From: "Rod Cercone" <n0rc@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [94252] Re: WTT Unbuilt DSW-30 for unbuilt DSW-40
Message-ID: <0E7dIJJeONA6gZsKbpQz000000a1e@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OOPS, title should read:

WTT Unbuilt DSW-30 for unbuilt DSW-40

-rc-

----- Original Message -----

From: "Rod Cerkoney" <n0rc@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, March 16, 2001 07:46 AM
Subject: WTT Unbuilt for DSW-30 for unbuilt DSW-40

> Previous deal fell through, still looking.
>
> Will also consider newer, unbuilt, (rev B) Wilderness NC40A with
KC1.
>
> 73, Rod N0RC
> Ft Collins CO
>

Date: Fri, 16 Mar 2001 09:41:44 -0400
From: "Charlie Corp" <k2pc@adelphia.net>
To: <cqdx@teleport.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [94253] Re: What sends F over and over?
Message-ID: <002101c0ae1e\$d779a7a0\$9a623218@bur.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I am not sure what these signals are trying to do, but when cw was used by the military, letters were sent to tell a direction finding station what was being sent at any particular time so the DF station could be sure he had the right station. EX: "F" could be sent when the station was sending coded groups and when the station started to send his call, a "C" could be sent etc. These letters would change from day to day or hour to hour.

Pete, K2PC

----- Original Message -----

From: K7FD N7SG <cqdx@teleport.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, March 14, 2001 1:50 PM
Subject: What sends F over and over?

> What 'service' transmits the letter F over and over on 7.039? And for a
> while, there was a very persistent 'beep' on 7.041, too...
>

> Just wondering,
>
> John K7FD, Oregon
>
>
>

Date: Fri, 16 Mar 2001 10:37:40 -0800
From: "Craig A. Ferris" <cferris@aeronix.com>
To: qrp-l@Lehigh.EDU
Subject: [94254] FS/FT Atlas RX-110
Message-ID: <3AB25D74.F4E902BD@aeronix.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

80-10m receiver without case, good condition physically and electrically, with documentation. If interested, let me know what its worth to you / what you have to swap. Reply direct.

72,
Craig NR4E
Melbourne, FL

Date: 16 Mar 2001 08:19:10 -0800
From: Mike Pupeza <mpupeza@altavista.com>
To: QRP-L@Lehigh.EDU, QRP-L@Lehigh.EDU
Subject: [94255] What is this Match All Antenna Tuner? (Long)
Message-ID: <20010316161910.2305.cpmata@c012.sfo.cp.net>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

Hi All;
I recently bought this in a flea market- it s apparently never been used. It had all the instructions, such as they are!
Is it any good for anything?

Match All - Fully Automatic Amateur Antenna Matcher by Terramar Systems Company, Ft. Lauderdale, FL. (1994)
It looks like a BIG dipole type center balun with steatite pillar connectors on each side and a UHF connector on the bottom. It s completely encased with 1/8

aluminum and weights 25 oz.

The instructions state:

Automatic antenna matching via non-resonant, broadbanded, constant impedance, induction coupled, solid state devices sealed in an aluminum shielded cavity. It shows an All Mode Rating of 150 Watts, and says it sold for \$179, but had introductory special at \$99.

Another page calls it a Solid state, non-resonant, broadbanded, constant impedance, induction coupled, traveling wave-type antenna matching device using the latest Maxcom technology adapted to the amateur bands.

The instructions say to connect it in dipole, whip, longwire, backstay, or aircraft configurations.

Guidelines say don't use resonant lengths - unit needs to see a highly reactive (not resistive) load.

It also says Do not be fooled by an apparent reduction in S meter levels. Being a grounded instrument, large amounts of atmospheric noises are eliminated and HF radio becomes a joy to your ears rather than a crackling, hissing monster.

With nothing connected it reads 795 ohms across the pillar ends and zero ohms across the UHF connector.

The left connector is also connected to the ground side.

My MFJ Antenna Meter shows VSWR of <1.2:1 from 1.8 - 8 MHz, <1.5:1 from 8 - 18 MHz, and <2.0:1 to 30 MHz.

Terramar Systems Company in Florida no longer seems to exist and I couldn't find any more info.

Does this thing really work, or is it some sort of complicated dummy load.

Actually, for what I paid, I could use it for one!

So, what is it, really, and how does it work?

Info appreciated.

Mike VE3EQP.....>

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<http://www.shopping.altavista.com>

Date: Fri, 16 Mar 2001 11:22:13 -0500

From: "Lau, Zack, W1VT" <zlau@arrl.org>

To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>

Subject: [94256] Re: Pin Diode Switching Question

Message-ID: <125490A005E3D3118C9C00805FC743CC016B9D77@KAHLESS>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

My 20 year old Ten Tec Argonaut uses a Unitrode UM9301 PIN diode optimized for HF use and 12 volt operation--Zack W1VT

Date: Fri, 16 Mar 2001 08:46:43 -0800
From: Bob Nielsen <nielsen@oz.net>
To: qrp-1@lehigh.edu
Subject: [94257] Re: What is this Match All Antenna Tuner? (Long)
Message-ID: <20010316084643.B1104@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Fri, Mar 16, 2001 at 08:19:10AM -0800, Mike Pupeza wrote:

> Hi All;
> I recently bought this in a flea market- it s apparently never been used. It had
all the instructions, such as they are!
> Is it any good for anything?
>
> Match All - Fully Automatic Amateur Antenna Matcher by Terramar
> Systems Company, Ft. Lauderdale, FL. (1994) It looks like a BIG
> dipole type center balun with steatite pillar connectors on each side
> and a UHF connector on the bottom. It s completely encased with 1/8
> aluminum and weights 25 oz. The instructions state: Automatic antenna
> matching via non-resonant, broadbanded, constant impedance, induction
> coupled, solid state devices sealed in an aluminum shielded cavity.
> It shows an All Mode Rating of 150 Watts, and says it sold for \$179,
> but had introductory special at \$99. Another page calls it a Solid
> state, non-resonant, broadbanded, constant impedance, induction
> coupled, traveling wave-type antenna matching device using the latest
> Maxcom technology adapted to the amateur bands. The instructions say
> to connect it in dipole, whip, longwire, backstay, or aircraft
> configurations. Guidelines say don t use resonant lengths - unit
> needs to see a highly reactive (not resistive) load . It also says Do
> not be fooled by an apparent reduction in S meter levels. Being a
> grounded instrument, large amounts of atmospheric noises are
> eliminated and HF radio becomes a joy to your ears rather than a
> crackling, hissing monster. With nothing connected it reads 795 ohms
> across the pillar ends and zero ohms across the UHF connector. The
> left connector is also connected to the ground side. My MFJ Antenna
> Meter shows VSWR of <1.2:1 from 1.8 - 8 MHz, <1.5:1 from 8 - 18 MHz,
> and <2.0:1 to 30 MHz. Terramar Systems Company in Florida no longer
> seems to exist and I couldn t find any more info. Does this thing
> really work, or is it some sort of complicated dummy load. Actually,
> for what I paid, I could use it for one! So, what is it, really, and
> how does it work?

It sounds like a device which was sold by a company called Maxcom (also
in Florida, it is probably the same outfit) and advertised with quite a
bit of hype in the ham magazines for several years. There were several

models with prices ranging from \$600 to \$1000. QST refused to carry the advertisements, but did publish a product review (November 1984) which revealed what many had suspected. The solid state non-resonant broadband device consisted of a 50 ohm resistor (there are other components, but they are not even connected!)

It probably provides the best match if you don't mess it up by attaching any wires at all. Under these conditions, not only will noise be reduced, but also that pesky QRM will practically disappear. For transmitting, it even allows a California KW station to achieve QRPP performance.

For those with access to the ARRL members-only pages, the review can be found at:

<http://www.arrl.org/members-only/prodrev/pdf/pr8411.pdf>

I've looked at the review several times over the years. It's always good for a laugh.

73,

Bob N7XY

Date: Fri, 16 Mar 2001 11:52:06 -0500
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: qrp-l@Lehigh.EDU
Subject: [94258] Re: What is this Match All Antenna Tuner? (Long)
Message-ID: <3.0.5.32.20010316115206.0079e4a0@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Its essentially a giant swamping resistor Mike - nothing more. The Maxcom "magic" was revealed many years ago when one of the magazines decided to find out what was really inside by having it x-rayed : they found a few dollars worth of parts inside the potted housing that was nothing more than a swamping network. Don't believe any of that crap about "ignoring your S meter". The S meter is telling a revealing story with this thing and they don't want you to hear what Mr. S Meter has to say.

Phil

At 08:19 AM 3/16/2001 -0800, you wrote:

>Hi All;

>I recently bought this in a flea market- it s apparently never been used. It had all the instructions, such as they are!

>Is it any good for anything?
>
>Match All - Fully Automatic Amateur Antenna Matcher by Terramar Systems Company, Ft. Lauderdale, FL. (1994)
>It looks like a BIG dipole type center balun with steatite pillar connectors on each side and a UHF connector on the bottom. It s completely encased with 1/8 aluminum and weights 25 oz.
>The instructions state:
>Automatic antenna matching via non-resonant, broadbanded, constant impedance, induction coupled, solid state devices sealed in an aluminum shielded cavity. It shows an All Mode Rating of 150 Watts, and says it sold for \$179, but had introductory special at \$99.
>Another page calls it a Solid state, non-resonant, broadbanded, constant impedance, induction coupled, traveling wave-type antenna matching device using the latest Maxcom technology adapted to the amateur bands.
>The instructions say to connect it in dipole, whip, longwire, backstay, or aircraft configurations.
>Guidelines say don t use resonant lengths - unit needs to see a highly reactive (not resistive) load .
>It also says Do not be fooled by an apparent reduction in S meter levels. Being a grounded instrument, large amounts of atmospheric noises are eliminated and HF radio becomes a joy to your ears rather than a crackling, hissing monster.
>With nothing connected it reads 795 ohms across the pillar ends and zero ohms across the UHF connector.
>The left connector is also connected to the ground side.
>My MFJ Antenna Meter shows VSWR of <1.2:1 from 1.8 - 8 MHz, <1.5:1 from 8 - 18 MHz, and <2.0:1 to 30 MHz.
>Terramar Systems Company in Florida no longer seems to exist and I couldn t find any more info.
>Does this thing really work, or is it some sort of complicated dummy load. Actually, for what I paid, I could use it for one!
>So, what is it, really, and how does it work?
>
>Info appreciated.
>Mike VE3EQP.....>
>
>
>Find the best deals on the web at AltaVista Shopping!
><http://www.shopping.altavista.com>
>
>

Date: Fri, 16 Mar 2001 11:48:15 -0500
From: "Mike Branca" <w3irz@att.net>

To: <qrp-1@Lehigh.EDU>
Subject: [94259] Re: Sierra VFO brainstorm
Message-ID: <000c01c0ae38\$e6f6a7e0\$370b4d0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Fran, check out the January 2000 of QQ for my article ICW the Georgia Sierra. The varactor controlled VFO is one of my features. We have built a number this way and it works out very well.

Mike Branca W3IRZ in Conyers Georgia

Date: Fri, 16 Mar 2001 11:54:46 -0500
From: "Paul Christensen" <paulc@mediaone.net>
To: <mpupeza@altavista.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [94260] Re: What is this Match All Antenna Tuner? (Long)
Message-ID: <009901c0ae39\$da2376a0\$6501a8c0@se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Does this thing really work, or is it some sort of complicated dummy load.

What you have in effect is a "radiating dummy load." The Terramar and Maxcom devices swamp a complex, non-resonant load at the antenna terminals with enough resistance to minimize the effect of the non-resonant mismatch that occurs between the feedline and antenna. Does the unit work? Yes, it does to the extent that return loss is managed and kept within reasonable limits (VSWR < 2.0:1). The tradeoff is in transmit and receive radiation efficiency. Pay no attention to the claim: "Do not be fooled by an apparent reduction in S meter levels." The "apparent" reduction in S meter levels is REAL.

The bottom line is that these two devices were marketed to targeted purchasers who were looking for a simple device to allow for all-band operation with a single antenna length without the complexity of ATUs, transmatches, or other conjugate network matching networks between the transmitter and antenna. By placing enough resistance between the antenna terminals, the VSWR reads low across the entire HF spectrum. So does a dummy load.

It's likely that a balun is also part of Terramar and Maxcom devices. As I recall these devices are "potted" and are difficult to disassemble and inspect. So, by inserting a balun into the unit along with a high-power resistor, attempting to reverse-engineer the device is more difficult, and thus protecting their trade secret...not that it's a secret worth protecting!

-Paul, W9AC

Date: Fri, 16 Mar 2001 12:20:42 EST
From: AD6EZ@aol.com
To: qrp-l@lehigh.edu
Subject: [94261] Re: Updated info on email QSL route-finder
Message-ID: <3d.8dc45ac.27e3a56a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hey Gang -

Does this QSL route-finder only work for Juno users? I've tried it a couple of times and yes, I get an immediate response, however, it is entirely in French and I have no idea what it says! Am I doing something wrong? - No Subject and callsign in main body of email.

73 es God Bless de Denny AD6EZ <><
Goleta, CA

Date: Fri, 16 Mar 2001 09:25:33 -0800
From: "Dennis Morales" <dennismo2@home.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [94262] qsl.f6kpo@eudil.fr QSL Route-Finder
Message-ID: <001101c0ae3e\$1b6fefe0\$6401a8c0@santab1.ca.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Gang -

Does this QSL route-finder only work for Juno users? I've tried it a couple of times and yes, I get an immediate response, however, it is entirely in French and I have no idea what it says! Am I doing something wrong? - No Subject and callsign in main body of email.

73 es God Bless de Denny AD6EZ <><
Goleta, CA

Date: Fri, 16 Mar 2001 11:25:32 -0600
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'mpupeza@altavista.com'" <mpupeza@altavista.com>, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [94263] What is this Match All Antenna Tuner?
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA04A49891@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

Sounds to me, Mike, that it's just like the scam "do-all" device made by MaxCom a few years ago. Heck, a dummy load will also demonstrate "good VSWR" over the HF range.

Personally, I wouldn't use it.

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: Mike Pupeza [SMTP:mpupeza@altavista.com]
> Sent: Friday, March 16, 2001 10:19 AM
> To: Low Power Amateur Radio Discussion
> Subject: What is this Match All Antenna Tuner? (Long)
>
> Hi All;
> I recently bought this in a flea market- it s apparently never been used.
> It had all the instructions, such as they are!
> Is it any good for anything?
>
> Match All - Fully Automatic Amateur Antenna Matcher by Terramar Systems
> Company, Ft. Lauderdale, FL. (1994)
> It looks like a BIG dipole type center balun with steatite pillar
> connectors on each side and a UHF connector on the bottom. It s completely
> encased with 1/8 aluminum and weights 25 oz.
> The instructions state:

> Automatic antenna matching via non-resonant, broadbanded, constant
> impedance, induction coupled, solid state devices sealed in an aluminum
> shielded cavity. It shows an All Mode Rating of 150 Watts, and says it
> sold for \$179, but had introductory special at \$99.
> Another page calls it a Solid state, non-resonant, broadbanded, constant
> impedance, induction coupled, traveling wave-type antenna matching device
> using the latest Maxcom technology adapted to the amateur bands. <snip>

Date: Fri, 16 Mar 2001 12:43:09 -0500
From: John Harper AE5X <ae5x@qsl.net>
To: dennismo2@home.com
Cc: QRP-L <qrp-l@lehigh.edu>
Subject: [94264] Re: qsl.f6kpo@eudil.fr QSL Route-Finder
Message-ID: <002101c0ae40\$90c2cf40\$5b7abc18@johnharp>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Yeah, you're not scrolling down to the relevant information.

John Harper AE5X
Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

----- Original Message -----
From: "Dennis Morales" <dennismo2@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, March 16, 2001 12:25 PM
Subject: qsl.f6kpo@eudil.fr QSL Route-Finder

> Hey Gang -
Am I doing something wrong? - >

Date: Fri, 16 Mar 2001 12:39:22 EST
From: RangerSF5@aol.com
To: nielsen@oz.net, qrp-l@lehigh.edu
Subject: [94265] Re: What is this Match All Antenna Tuner? (Long)
Message-ID: <61.c476dba.27e3a9ca@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 3/16/01 5:47:53 PM W. Europe Standard Time, nielsen@oz.net writes:

<<

> Match All - Fully Automatic Amateur Antenna Matcher by Terramar
> Systems Company, Ft. Lauderdale, FL. (1994) It looks like a BIG
> dipole type center balun with steatite pillar connectors on each side
> and a UHF connector on the bottom. It s completely encased with 1/8
> aluminum and weights 25 oz. The instructions state: Automatic antenna
> matching via non-resonant, broadbanded, constant impedance, induction
> coupled, solid state devices sealed in an aluminum shielded cavity.
> It shows an All Mode Rating of 150 Watts, and says it sold for \$179,
> but had introductory special at \$99. Another page calls it a Solid
> state, non-resonant, broadbanded, constant impedance, induction >>

Hi Gang,

Funny this item popped up because I was going to ask about it.

One was given to me about 10 years ago.

The person who has it does not use it and will not return it.

However we worked a local ham who was in Alaska at the time and I found it to work fine.

The antenna we had was a 120 foot wire.

The paper work did say there would be a loss on receive but that it would decrease with a longer wire.

So what is wrong with the unit?

Will it harm the rig?

I have to admit that trying to use it on a 50 foot wire is a waste of time but a 120 foot wire and 20 meters a worked a lot of DX.

Has anyone tried to use this item with a 2-300 foot wire?

Bob

WA2HQrp <tm>

Date: Fri, 16 Mar 2001 12:50:08 EST

From: RangerSF5@aol.com

To: mpupeza@altavista.com, qrp-1@lehigh.edu

Subject: [94266] Re: What is this Match All Antenna Tuner? (Long)

Message-ID: <98.11f3813d.27e3ac50@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

In a message dated 3/16/01 5:20:30 PM W. Europe Standard Time, mpupeza@altavista.com writes:

<<

Match All - Fully Automatic Amateur Antenna Matcher by Terramar Systems Company, Ft. Lauderdale, FL. (1994)

It looks like a BIG dipole type center balun with steatite pillar connectors on each side and a UHF connector on the bottom. It s completely encased with 1/8 aluminum and weights 25 oz. >>

The unit I had did not fit the above discription.

Mine looked more like an aluminum box about the size of the RS 2 meter amp. It took a coax connector from the rig and on the other end was only one SO-239 and a wing nut for the random wire.

I opened it and the unit was sealed with epoxy and to dark to tell what was inside.

No piller or UHF connectors.

Are we talking about the same thing?

Bob

WA2HOQrp <tm>

Date: Fri, 16 Mar 2001 12:51:45 -0500

From: "John J. McDonough" <wb8rcr@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [94267] Re: What is this Match All Antenna Tuner? (Long)

Message-ID: <035401c0ae41\$c5728d60\$010044c0@baycty1.mi.home.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I sense a sort of negative tone to a lot of this. You think we would welcome such a device.

We all know you can work the world with a watt into a wet noodle, given a little patience and the right conditions. A device which reduces received noise, and hence fatigue when listening, and also serves to reduce QRM would be a good thing.

Every 3CX500 should come with one of these to protect the final from an inadvertent mismatch.

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>

didileydadidah QRP-L #1446 Code Warriors #35

Date: Fri, 16 Mar 2001 17:48:37 +0000

From: "Chuck Adams, K7QO" <k7qo@primenet.com>

To: cqdx@teleport.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [94268] Re: What sends F over and over?
Message-ID: <5.0.2.1.0.20010316174709.00a67b00@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:50 AM 3/14/01 -0800, K7FD N7SG wrote:
>What 'service' transmits the letter F over and over on 7.039? And for a
>while, there was a very persistent 'beep' on 7.041, too...
>
>Just wondering,
>
>John K7FD, Oregon

There are a number of beacons between 7.039 and 7.040MHz. All located in what was previously the USSR. I have a list of them on the web page with the letter they repeat and their location. It is still a mystery exactly what their function is and even why they are still in operation.

FYI

Chuck Adams, K7QO
Prescott, AZ k7qo@primenet.com <http://www.qsl.net/k7qo> <http://moon.pr.erau.edu/~adamsc>

TMPS-2001 Mar 15, 2001 Q's = 337 States = 43 Counties = 279 DXCC = 12
SWL-30 with CMOS 3 keyer and HB Iambic Paddle 0.500W and vee-beam

States Needed AK DE IN MS RI VT VA

DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08 ZS6

Date: Fri, 16 Mar 2001 13:09:29 EST
From: RangerSF5@aol.com
To: wb8rcr@arrl.net, qrp-l@lehigh.edu
Subject: [94269] Re: What is this Match All Antenna Tuner? (Long)
Message-ID: <91.83f05b4.27e3b0d9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 3/16/01 6:53:09 PM W. Europe Standard Time,

wb8rcr@arrl.net writes:

<<

We all know you can work the world with a watt into a wet noodle, given a little patience and the right conditions. A device which reduces received noise, and hence fatigue when listening, and also serves to reduce QRM would be a good thing.

>>

I have to agree with you.

I'm not sure why they don't make them any more but after using one for more than 6 months I can't say anything bad about it.

I'd like to get mine back and and try some QRP on a longer wire.

72/73

Bob

WA2HQrp <tm>

Date: Fri, 16 Mar 2001 10:21:53 -0800

From: Bill Jones <kd7s@psnw.com>

To: RangerSF5@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [94270] Re: What is this Match All Antenna Tuner? (Long)

Message-ID: <3AB259C1.CF40B093@psnw.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

RangerSF5@aol.com wrote:

> I have to agree with you.

> I'm not sure why they don't make them any more but after using one for more than 6 months I can't say anything bad about it.

> I'd like to get mine back and and try some QRP on a longer wire.

And you weren't the least bit offended by the fact that the so called manufacturer dropped several dummy components and a phoney PC board into the potting mixture just to make it look more complex than it was?

Face it, the thing was nothing more than a dummy load with wires sticking out the side.

--

Bill Jones - KD7S <>>

Sanger, California

<http://www.psnw.com/~kd7s/>

Date: Fri, 16 Mar 2001 13:36:58 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <RangerSF5@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [94271] Re: What is this Match All Antenna Tuner? (Long)
Message-ID: <003501c0ae48\$189d1540\$6201a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you REALLY want it back...

Just take a dummy load and put two binding post on it.

Seriously, I can see where it could be useful, but hardly worth what was wanted for it for money. If I were building a device like this, I think I would use a 100ohm dummy load and depend on at least some loading of the antenna to bring the impedance down. Hmm, that may take some experimenting, perhaps a 75 ohm dummy load...

But no matter WHAT I used, I would have it 'switchable' to be only on TX, not on receive!

When would you EVER want something like this? Oh, I can see it as an 'idiot proof' box to QUICKLY throw up a wire in an apartment, or emergency scene, where the ammount of power you pump out is irrelevant. Times when being able to 'set up' and TX in seconds is more important than the fact you are wasting 90% of your power as heat and not radiating it.

But with the advent of automatic antenna tuners, I would think that this device has almost NO place in todays setups. ESPECIALLY when the price they wanted for it was MORE than a tuner!

Mike

> In a message dated 3/16/01 6:53:09 PM W. Europe Standard Time,
> wb8rcr@arrl.net writes:
>
> <<
> We all know you can work the world with a watt into a wet noodle,
given a
> little patience and the right conditions. A device which reduces

received

> noise, and hence fatigue when listening, and also serves to reduce
QRM would
> be a good thing.
> >>
> I have to agree with you.
> I'm not sure why they don't make them any more but after using one for
more
> then 6 months I can't say anything bad about it.
> I'd like to get mine back and and try some QRP on a longer wire.
> 72/73
> Bob
> WA2HQrp <tm>
>

Date: Fri, 16 Mar 2001 13:35:32 EST
From: RangerSF5@aol.com
To: kd7s@psnw.com, qrp-L@lehigh.edu
Subject: [94272] Re: What is this Match All Antenna Tuner? (Long)
Message-ID: <50.12ce3b43.27e3b6f4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 3/16/01 7:26:07 PM W. Europe Standard Time, kd7s@psnw.com
writes:

<<

And you weren't the least bit offended by the fact that the so called
manufacturer dropped several dummy components and a phoney PC board into
the potting mixture just to make it look more complex than it was?

Face it, the thing was nothing more than a dummy load with wires
sticking out the side.

>>

READ MY POST AGAIN!!!!!!

I said mine did not fit the discription that the other person posted.

Mine did NOT have wires hanging out.

Coax connector on one end, one on the other end along side of the wing nut for
the random wire.

And last of all,

call it what you want.

It worked and worked well.

The person that has it now is still using it and it works very well.

He won't part with it.

Bob
WA2HOQrp <tm>

Date: Fri, 16 Mar 2001 13:39:12 EST
From: RangerSF5@aol.com
To: kd7s@psnw.com, qrp-1@lehigh.edu
Subject: [94273] Re: What is this Match All Antenna Tuner? (Long)
Message-ID: <b7.c489023.27e3b7d0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 3/16/01 7:26:07 PM W. Europe Standard Time, kd7s@psnw.com writes:

<<

Face it, the thing was nothing more than a dummy load with wires sticking out the side.

>>

It sure beats MFJ antenna tuners with plate spacing so close you need a fire extinguisher near by when tuning up.

Bob

WA2HOQrp <tm>

Date: Fri, 16 Mar 2001 13:43:31 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'Karl.Kanalz@allegiancetelecom.com'" <Karl.Kanalz@allegiancetelecom.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [94274] RE: What is this Match All Antenna Tuner?
Message-ID: <125490A005E3D3118C9C00805FC743CC01C16BAD@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

That IS the Maxcom "antenna tuner." As described in the QST Product Review, it consists of a bunch of resistors that ensure that no matter what the antenna impedance is, the SWR is always better than 2:1 at the input. The losses can vary from a few dB to tens of dB, depending on the load.

I know one fellow has been soliciting to buy on on rec.radio.amateur.antenna, knowing exactly what it is. I suggest you do an FS post there and see if he surfaces.

To read the QST Review on this, see:

<http://www.arrl.org/members-only/prodrev/pdf/pr8411.pdf>

73,
Ed Hare, W1RFI

-----Original Message-----

From: Kanalz, Karl [mailto:Karl.Kanalz@allegiancetelecom.com]
Sent: Friday, March 16, 2001 12:26 PM
To: Low Power Amateur Radio Discussion
Subject: What is this Match All Antenna Tuner?

Sounds to me, Mike, that it's just like the scam "do-all" device made by MaxCom a few years ago. Heck, a dummy load will also demonstrate "good VSWR" over the HF range.

Personally, I wouldn't use it.

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----

> From: Mike Pupeza [SMTP:mpupeza@altavista.com]
> Sent: Friday, March 16, 2001 10:19 AM
> To: Low Power Amateur Radio Discussion
> Subject: What is this Match All Antenna Tuner? (Long)

>

> Hi All;
> I recently bought this in a flea market- it s apparently never been used.
> It had all the instructions, such as they are!
> Is it any good for anything?

>

> Match All - Fully Automatic Amateur Antenna Matcher by Terramar Systems
> Company, Ft. Lauderdale, FL. (1994)
> It looks like a BIG dipole type center balun with steatite pillar
> connectors on each side and a UHF connector on the bottom. It s completely
> encased with 1/8 aluminum and weights 25 oz.
> The instructions state:
> Automatic antenna matching via non-resonant, broadbanded, constant
> impedance, induction coupled, solid state devices sealed in an aluminum
> shielded cavity. It shows an All Mode Rating of 150 Watts, and says it
> sold for \$179, but had introductory special at \$99.
> Another page calls it a Solid state, non-resonant, broadbanded, constant
> impedance, induction coupled, traveling wave-type antenna matching device

> using the latest Maxcom technology adapted to the amateur bands. <snip>

Date: Fri, 16 Mar 2001 13:53:18 -0500 (EST)
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: Chuck Ludinsky <cjl@mitre.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [94275] RE: Laura Halliday VE7LDH , WHAT DOES IT MEAN?
Message-ID: <Pine.BSF.4.10.10103161352440.65869-100000@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The problem is babelfish. It si translating "shell" as "command
interactif"

Date: Fri, 16 Mar 2001 14:01:34 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [94276] HB: determining electrolytic polarity?
Message-ID: <3AB2630E.D2E436BA@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry for the newbie-type question, but trying to get the TT2 ready for
the HB Spring at the end of the month, and am installing the
electrolytic between J2 and J4. The component I'm using is a radial
style, but I'm used to a band around the component to show the neg side.
This one has a band along the length of the component, with an arrow
printed on the band pointing to one end: is that the neg terminal?

TNX in advance--

73
Ken KG4FGC

Date: Fri, 16 Mar 2001 14:32:18 -0500
From: Pete Burbank <plburbank@kih.net>
To: qrp-1@lehigh.edu
Subject: [94277] WTB Tunnel Diode Manual

Message-ID: <5.0.2.1.0.20010316143016.00a73110@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Condition not important.
73 Pete NV4V

Date: Fri, 16 Mar 2001 14:38:29 -0500
From: Pete Burbank <plburbank@kih.net>
To: hoglund@wfu.edu, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [94278] Re: HB: determining electrolytic polarity?
Message-ID: <5.0.2.1.0.20010316143502.00a7dc30@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 02:01 PM 3/16/2001 -0500, Kenneth Hoglund wrote:
>Sorry for the newbie-type question, but trying to get the TT2 ready for
>the HB Spring at the end of the month, and am installing the
>electrolytic between J2 and J4. The component I'm using is a radial
>style, but I'm used to a band around the component to show the neg side.
>This one has a band along the length of the component, with an arrow
>printed on the band pointing to one end: is that the neg terminal?
>
>TNX in advance--
>
>73
>Ken KG4FGC
Ken ,
Usually on a radial electrolytic the can is negative.
73 Pete NV4V

Date: Fri, 16 Mar 2001 13:51:16 -0600
From: Michael Melland <badger@vbe.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [94279] [OT] 1/4" Heliax and PL-259 ?
Message-ID: <NEBBLKAGEKBNGELOFFCAEEEHCGAA.badger@vbe.com>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Off topic maybe but I'm sure someone may have an ansewer here...

A while back I picked up a 10 ft section of Andrew Heliax (FSJ1-50A Super Flexible) at a hamfest that had standard PL-259's with UG-176 adapters attached..... very neatly I might add.

I recently picked up about 80 ft (10ea 8 ft pieces) of brand new from the factory 1/4" Heliax as mentioned above. I plan on trying to attach PL-259 connectors to it and before I start experimenting I was wondering if anyone here has done this and if so what the trimming dimensions used were. Think it would make great jumpers.... I know it's generally too expensive for that use but I only have \$10 in all those 8 ft sections.

Thanks,

Mike, W9WIS

--

Michael Melland, W9WIS
QRP-L #1656 QRPARCI #9875
SOC #142 IPARC #252
EN54pc Winnebago Cty, Wisc.

Date: Fri, 16 Mar 2001 11:52:39 -0800
From: <schoon@amgt.com>
To: <qrp-l@Lehigh.EDU>, <plburbank@kih.net>
Subject: [94280] RE: HB: determining electrolytic polarity?
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-BDC-010316195239Z-881@ag-basalt-pxy.amgt.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

There could also be a residual charge on the CAP, so maybe a quick check with a DMM would tell you...

.mark

>-----
>From: Pete Burbank[SMTP:plburbank@kih.net]
>Sent: Friday, March 16, 2001 11:38 AM
>To: Low Power Amateur Radio Discussion
>Subject: Re: HB: determining electrolytic polarity?
>
>At 02:01 PM 3/16/2001 -0500, Kenneth Hoglund wrote:
>>Sorry for the newbie-type question, but trying to get the TT2 ready for
>>the HB Spring at the end of the month, and am installing the
>>electrolytic between J2 and J4. The component I'm using is a radial

>>style, but I'm used to a band around the component to show the neg side.
>>This one has a band along the length of the component, with an arrow
>>printed on the band pointing to one end: is that the neg terminal?
>>
>>TNX in advance--
>>
>>73
>>Ken KG4FGC
>Ken ,
>Usually on a radial electrolytic the can is negative.
>73 Pete NV4V
>
>
>

Date: Fri, 16 Mar 2001 15:10:24 -0500
From: "Steve Hanson" <ke1lg@qsilver.net>
To: <qrp-l@Lehigh.EDU>
Subject: [94281] One last try...PS/SWR meter..
Message-ID: <005701c0ae55\$24217700\$bb94e3d8@mint.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Can't seem to convince anyone to buy my Astron or Diamond-so one last try at reduced price:

Astron RS-35M Power Supply, Perfect, with factory carton, paperwork, one year old-almost no use-\$130.00 SHIPPED conus

Diamond SX40 C SWR meter-as new in box, 144-470 MHz, \$55.00 SHIPPED conus

Steve in Maine KE1LG
ke1lg@qsilver.net

Date: Fri, 16 Mar 2001 15:10:24 EST
From: RangerSF5@aol.com
To: qrp-L@lehigh.edu
Subject: [94282] On line study info

Message-ID: <f6.82d63a7.27e3cd30@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
Can anyone direct me to some sites that have practice FCC extra exams?
Thanks
Bob
WA2HOQrp <tm>

Date: Fri, 16 Mar 2001 15:07:52 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: badger@vbe.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [94283] Re: [OT] 1/4" Heliax and PL-259 ?
Message-ID: <3AB27298.1C438CB9@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike check to see if the threaded part of the pl259 will fit down over the outside of the heliax cable. I've got some 1/4" (LDF-3 I think) cable that the connectors just fit snug over the heliax jacket. I soldered the connector right to the jacket. Seems like I had to file down the center conductor just a bit to get it through the connector. This particular run of hardline feeds my Force 12 C3 tribander.

I've aquired some 7/8" heliax (LDF-5) that will be replacing the 1/4" stuff in a future antenna upgrade. All of my feedlines for HF and VHF, except for the 40m and 80m inverted vee's, are Heliax. I've been able to find LDF-4 (1/2") and LDF-5 (7/8") for good prices at hamfests. Connectors are the most expensive part...but good deals are out there. Grounding kits are out there too.

Some people tell me that hardline is overkill for HF installs. I disagree..getting every last bit of signal from the antenna and to the antenna, especially @ QRP or QRPP power levels, can make the difference.

Watch out for the first generation of Andrews Heliax. The outer conductor is spiraled, and any cut in the jacket lets water travel completely through the cable.

73
Paul K4FB

Date: Fri, 16 Mar 2001 15:16:53 -0500
From: "NZ8J" <timcook@erinet.com>
To: <qrp-1@Lehigh.EDU>
Subject: [94284] WTB: OHR Scaf Filter
Message-ID: <005701c0ae56\$0b087ce0\$6122fea9@nec>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

please send condition and price if you have one for sale
Thanks
tim
Nz8J

Date: Fri, 16 Mar 2001 12:24:25 -0800
From: <schoon@amgt.com>
To: <qrp-1@Lehigh.EDU>, <RangerSF5@aol.com>
Subject: [94285] RE: On line study info
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-BDC-010316202425Z-886@ag-basalt-pxy.amgt.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

<http://www.qrz.com> ??

>-----
>From: RangerSF5@aol.com[SMTP:RangerSF5@aol.com]
>Sent: Friday, March 16, 2001 12:10 PM
>To: Low Power Amateur Radio Discussion
>Subject: On line study info
>
>Hi Gang,
>Can anyone direct me to some sites that have practice FCC extra exams?
>Thanks
>Bob
>WA2HOQrp <tm>
>
>
>

Date: Fri, 16 Mar 2001 15:28:31 -0500
From: Pete Burbank <plburbank@kih.net>
To: hoglund@wfu.edu, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [94286] Re: HB: determining electrolytic polarity?Correction.
Message-ID: <5.0.2.1.0.20010316151644.00a72e80@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Correction I meant axial regarding the can connection.
Got my brain 90degrees out today. On radials the metal part seems to be just a container.
But in recent years the line designates the negative terminal.
Maybe you could compare it visually to similar caps to verify the polarity.
73 Pete NV4V

Date: Fri, 16 Mar 2001 15:34:14 EST
From: RangerSF5@aol.com
To: schoon@amgt.com, qrp-l@lehigh.edu
Subject: [94287] Re: On line study info
Message-ID: <f7.82cf82a.27e3d2c6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 3/16/01 9:26:01 PM W. Europe Standard Time, schoon@amgt.com writes:

<< <http://www.qrz.com> ?? >>
I wen there.
Saw a lot of links but nothing on exams.
I even typed in Gorden west in the search block but nothing for exams came up.
I know some hams have exams on their sites but I lost the book marks over a year ago.
Some I flunke real bad and others I passed in the high 90's but I'm sure they were the older exams.
Bob
WA2HOQrp <tm>

Date: Fri, 16 Mar 2001 14:39:50 -0600

From: "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [94288] RE: HB: determining electrolytic polarity?Correction.
Message-ID: <000001c0ae59\$3f2e5fa0\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I built a small polarity tester for "unmarked" electrolytic. It consists of a battery and a small, 150ma, meter. If you hook up the capacitor backwards it acts like a short, if you hook it up correctly it starts out looking like a short but the current drops off quickly to near zero. I used a 1.5v AA battery and a 22 ohm resistor as a current limiter. It's good for checking rectifier diode polarity too.

You can do the same with your VOM, hook it up in current mode and DON'T forget the resistor or you will be replacing lots of fuses.

72/
Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Pete Burbank
> Sent: Friday, March 16, 2001 2:29 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: HB: determining electrolytic polarity?Correction.
>
>
> Correction I meant axial regarding the can connection.
> Got my brain 90degrees out today. On radials the metal part
> seems to be
> just a container.
> But in recent years the line designates the negative terminal.
> Maybe you could compare it visually to similar caps to verify
> the polarity.
> 73 Pete NV4V
>
>

Date: Fri, 16 Mar 2001 12:40:55 -0800
From: <schoon@amgt.com>
To: <qrp-1@lehigh.edu>, <RangerSF5@aol.com>

Subject: [94289] RE: On line study info
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-BDC-010316204055Z-888@ag-basalt-pxy.amgt.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

It's there. Look on the left hand side of the page, and scroll down to the General Services area. Or just go here:
<http://www.qrz.com/testing.html>

.mark

>-----
>From: RangerSF5@aol.com[SMTP:RangerSF5@aol.com]
>Sent: Friday, March 16, 2001 12:34 PM
>To: Mark Schoonover; qrp-1@lehigh.edu
>Subject: Re: On line study info
>
>In a message dated 3/16/01 9:26:01 PM W. Europe Standard Time,
>schoon@amgt.com writes:
>
><< <http://www.qrz.com> ?? >>
>I wen there.
>Saw a lot of links but nothing on exams.
>I even typed in Gorden west in the search block but nothing for exams came
>up.
>I know some hams have exams on their sites but I lost the book marks over a
>year ago.
>Some I flunke real bad and others I passed in the high 90's but I'm sure they
>were the older exams.
>Bob
>WA2HOQrp <tm>
>
>
>

Date: Fri, 16 Mar 2001 15:43:46 -0500 (EST)
From: Stephan Greene <sgreene@patriot.net>
To: RangerSF5@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [94290] Re: On line study info
Message-ID: <Pine.LNX.4.10.10103161542480.15112-100000@tzion.greene.lan>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

<http://www.qrz.com/testing.html>

or look for the "practice tests" link in one of the boxes on the left side of the page.

73 Steve KA1LM

On Fri, 16 Mar 2001 RangerSF5@aol.com wrote:

> Hi Gang,
> Can anyone direct me to some sites that have practice FCC extra exams?
> Thanks
> Bob
> WA2HOQrp <tm>

Stephan A. Greene	sgreene@patriot.net
Amateur KA1LM@amsat.org Grid FM18hx	38 59'83.33"N 77 23'6.15"W

Date: Fri, 16 Mar 2001 15:55:07 -0500
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: mhogan@email.msn.com
Cc: qrp-l@lehigh.edu
Subject: [94291] Re: Parts inventory list
Message-ID: <5.0.2.1.1.20010316155214.00a22760@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:38 PM 3/15/01 -0600, you wrote:

>I realize its kind of a long shot but did anyone do an excel spreadsheet or
>pdf or word file for the 2n2-40 parts like was done for the NC-20?
>If so would you be kind enough to email me one...I am finally going to biold
>my rig, and inventory is the first step...
>
>Thanks
>Mark Hogan / N50BC

Mark, I don't know what format you are look for, as I didn't buy one of the NC-20 kits. What do you need? I can send you a parts list in just about any format you want. As for the source of the parts, I don't have that, but could guide you to possible sources.

72 and happy building!

Jim, K8IQY

Date: Fri, 16 Mar 2001 16:09:01 -0500
From: "Robert K. Berlyn" <bberlyn@baycomp.com>
To: <qrp-1@Lehigh.edu>
Subject: [94292] HB: NE602/612's available
Message-ID: <000201c0ae5d\$881e90f0\$0864a8c0@baycomp.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys,

I've seen the postings about the hard to come by NE602's.

For what its worth HB Electronics has plenty of them, Actually they are NE612's essentially the same thing. Meaning pin for pin compatible.

You can see the details at the web site http://users.ids.net/~hb_elec/

I'm not just a customer I'm the owner.

Bob Berlyn N1PWU
HB Electronics

Senior Engineering Technician

Bay Computer Associates, Inc.
95 Hathaway Center, Suite 1
Providence, RI 02907
(401) 461-1484 Fax: (401) 461-1218
bberlyn@baycomp.com

Date: Fri, 16 Mar 2001 16:55:46 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [94293] HB: It Lives!
Message-ID: <3AB28BE1.E2527CDC@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

First, thanks to all those who responded with great advice. Within 3 minutes of posting my dilemma, I had 6 responses, two of which basically said my hunch was right. For future projects, I do like Kevin's idea of jury-rigging a tester for such mysteries.

Since the iron was still hot I plugged the cap in as I thought it should go, let the solder flow, and then pieced together some cords and phono plugs for the connections. Unhitched my usual set-up, hitched the antenna and all to the TT2 and powered up. No smoke--just a very loud tone from the rcvr (forgot to turn the rf gain way down). Once the ears adjusted back in place, did some fine tuning. The rock for the TT2 is labelled 7.122 but I seem to be zero-beating at 7.125. If this normal?

Anyway, I plan to get on the air this weekend with this baby and have some fun.

73

Ken KG4FGC

Date: Fri, 16 Mar 2001 17:21:34 -0500
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: qrp-1@Lehigh.EDU
Subject: [94294] Re: What is this Match All Antenna Tuner? (Long)
Message-ID: <3.0.5.32.20010316172134.007aea70@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:39 PM 3/16/2001 EST, you wrote:

>Hi Gang,

>Funny this item popped up because I was going to ask about it.

>One was given to me about 10 years ago.

.....

>The paper work did say there would be a loss on receive but that it would

>decrease with a longer wire.

And there's an equal loss on transmit too.

>So what is wrong with the unit?

>Will it harm the rig?

Nothing wrong with it. It won't harm the rig. But the matching claims are false : it doesn't "match" anything, and it DOES attenuate on transmit and receive.

>I have to admit that trying to use it on a 50 foot wire is a waste of time
>but a 120 foot wire and 20 meters a worked a lot of DX.

Considering the fact that many people on this reflector work DX at multiples of thousands of miles with a watt or too, the fact that you were able to work some DX on 20 meters with this thing is no testimonial at all that its a good device.

This device is aimed entirely at non-technical buyers that do not understand the most fundamental aspects of antenna's or transmission lines.

There is nothing wrong with this thing if you understand what it actually is and how it functions. If a person really thinks this is an all-band, matching device, they've been successfully duped by cleverly worded marketing hype.

Phil

>Has anyone tried to use this item with a 2-300 foot wire?

>Bob

>WA2HQrp <tm>

>

>

Date: Fri, 16 Mar 2001 17:20:42 EST

From: RangerSF5@aol.com

To: qrp-l@lehigh.edu

Subject: [94295] Credit union check not accepted by my bank

Message-ID: <4d.8d43afd.27e3ebba@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

To the person who sent me a check from the credit union in the amount of \$12.00.

My bank will not accept it because the other name, address and phone number is scratched out.

Banks policy

PLEASE send another on to

BOB LECH

PO BOX 281

BORDENTOWN, NJ 08505

Thanks

Bob

WA2HOQrp <tm>

Date: Fri, 16 Mar 2001 17:22:28 EST

From: RangerSF5@aol.com

To: qrp-L@lehigh.edu

Subject: [94296] A "BIG" Thank You

Message-ID: <73.be19529.27e3ec24@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Thanks to all who sent me URL's on various sites for taking the FCC practice exams

Bob

WA2HOQrp <tm>

Date: Fri, 16 Mar 2001 17:26:29 -0500

From: "Phil (VA3UX)" <phil@vaxxine.com>

To: qrp-l@Lehigh.EDU

Subject: [94297] Re: What is this Match All Antenna Tuner? (Long)

Message-ID: <3.0.5.32.20010316172629.0079a7e0@vaxxine.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 12:51 PM 3/16/2001 -0500, you wrote:

>I sense a sort of negative tone to a lot of this. You think we would

>welcome such a device.

>

>We all know you can work the world with a watt into a wet noodle, given a

>little patience and the right conditions. A device which reduces received

>noise, and hence fatigue when listening, and also serves to reduce QRM would

>be a good thing.

>

If QRM was all it reduced then it would be a good thing. But it also

reduces that tiny, transmitted QRP signal that you are searching for just as well as it reduces noise.

Phil

>Every 3CX500 should come with one of these to protect the final from an
>inadvertent mismatch.

>72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>

>didileydadidah QRP-L #1446 Code Warriors #35

>

>

>

>

Date: Fri, 16 Mar 2001 16:31:25 -0600

From: "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>

To: <RangerSF5@aol.com>

Cc: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>

Subject: [94298] RE: Credit union check not accepted by my bank

Message-ID: <000001c0ae68\$d6cdfef0\$ef5d6f81@v8.uthscsa.edu>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

That's pretty normal. If a check is altered in any way most banks won't accept it.

72/

Kevin, WB5RUE

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU

> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of

> RangerSF5@aol.com

> Sent: Friday, March 16, 2001 4:21 PM

> To: Low Power Amateur Radio Discussion

> Subject: Credit union check not accepted by my bank

>

>

> To the person who sent me a check from the credit union in
> the amount of

> \$12.00.

> My bank will not accept it because the other name,address and

> phone number is
> scratched out.
> Banks policy
> PLEASE send another on to
> BOB LECH
> PO BOX 281
> BORDENTOWN,NJ 08505
> Thanks
> Bob
> WA2HOQrp <tm>
>

Date: Fri, 16 Mar 2001 15:45:26 -0800
From: "Bowman, Brian" <bowman@amgen.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [94299] RE: Credit union check not accepted by my bank
Message-ID: <2868C7D82610D311A3930008C7CF288B081ADC30@red-exch.amgen.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I have had the opposite experience. I moved out to California last May, but kept an account back on the east coast open. I used checks with my old address, but put a mini-label with my new address next to the old address, put a single line through the old address (not the name), and used the old checks that way. I used these for 10-12 purchases on EBAY, as well as utility bills, etc. I never had any problem.

Brian R. Bowman
WD0HBG

-----Original Message-----

From: Kevin Muenzler
Subject: RE: Credit union check not accepted by my bank

That's pretty normal. If a check is altered in any way most banks won't accept it.

72/
Kevin, WB5RUE

> -----Original Message-----

> Subject: Credit union check not accepted by my bank

>

> To the person who sent me a check from the credit union in
> the amount of\$12.00.
> My bank will not accept it because the other name,address and
> phone number is scratched out.

etc

End of QRP-L Digest 2129
